A2575-1 1/5/83

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 63 For Week Ended DECEMBER 24, 1982 NO. 51

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

ALL DATA ARE ESTIMATES MADE BY THE API BASED ON DATA FROM REPORTING COMPANIES.

	Current Week Ending: 12/24/82	Last Week Ending: 12/17/82	Last Year Week Ending: 12/25/81	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units	11,726	11,633	12,489	+ 93	- 763
Operable capacity	16,663	16,663	18,230	0	- 1,567
Percent operated	70.4	69.8	68.5		
Motor Gasoline					
Motor gasoline production	6,358	6,370	6,605	- 12	- 247
Refinery shipments of unleaded motor gasoline	3,534	3,504	3,598	+ 30	- 64
Total Motor gasoline stocks	235,086	233,162	252,791	+ 1,924	- 17,705
Finished unleaded motor gasoline stock	96,098	94,941	95,401	+ 1,157	+ 697
Distillate Fuel Oil					
Distillate fuel oil production	2,573	2,551	2,886	+ 22	- 313
Distillate fuel oil stocks	181,367	181,319	190,062	+ 48	- 8,695
Residual Fuel Oil					
Residual fuel oil production	1,047	992	1,246	+ 55	- 199
Residual fuel oil stocks	64,966	64,475	81,397	+ 491	- 16,431
Imports					
Crude oil imports	2,556	3,202	3,103	- 646	- 547
Product imports	1,179	1,244	1,671	- 65	- 492
Crude Oil Stocks					
Crude oil stocks	351,891	357,801	366,184	- 5,910	- 14,293

TOTAL U.S. DATA FOR THE CURRENT WEEK'S REFINERY OPERATIONS, PRODUCTION, STOCKS AND IMPORTS ARE NOW AVAILABLE THROUGH A PRE-RECORDED TELEPHONE MESSAGE. THE TELEPHONE NUMBER FOR THIS SERVICE IS AREA CODE (202) 457-7147.

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 63 For Week Ended DECEMBER 24, 1982 NO. 51

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Foreign Crude Runs[1]	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,099	1,007	882	1,032	1,569	65.8
Appal. No. 1	83	77	--	77	98	78.6
DISTRICT 1 TOTAL	1,182	1,084	882	1,109	1,667	66.5
Appal. No. 2	60	51	5	60	66	90.9
Ind., Ill., Ky.	1,938	1,707	431	1,783	2,399	74.3
Minn., Wis., Daks.	271	249	115	263	293	89.8
Okla., Kans., Mo.	772	681	17	690	858	80.4
DISTRICT 2 TOTAL	3,041	2,688	568	2,796	3,616	77.3
Inland Texas	519	484	21	487	592	82.3
Texas Gulf Coast	2,781	2,519	704	2,582	3,993	64.7
La. Gulf Coast	2,074	1,858	623	1,978	2,728	72.5
N. La. and Ark.	167	149	10	158	314	50.3
New Mexico	100	66	--	70	117	59.8
DISTRICT 3 TOTAL	5,641	5,076	1,358	5,275	7,744	68.1
DISTRICT 4 TOTAL	468	449	51	457	553	82.6
DISTRICT 5 TOTAL	2,222	2,018	268	2,089	3,083	67.8
TOTAL U.S.	12,554	11,315	3,127	11,726	16,663	70.4
TOTAL U.S. Weeks Ended:						
DEC. 17, 1982	12,348	11,192	2,966	11,633	16,663	69.8
DEC. 25, 1981	13,314	12,204	3,890	12,489	18,230	68.5
DISTRICTS 1—4 Weeks Ended:						
DEC. 24, 1982	10,332	9,297	2,859	9,637	13,580	71.0
DEC. 17, 1982	10,197	9,226	2,724	9,566	13,580	70.4
DEC. 25, 1981	11,285	10,211	3,717	10,480	15,068	69.6

[1] Included in the Crude Oil Runs to Distillation Units.

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER* 24, 1982

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	599	348	11	10	1	240	132
Appal. No. 1	28	15	3	--	2	16	8
DISTRICT 1 TOTAL	627	363	14	10	3	256	140
Appal. No. 2	33	18	--	3	--	12	5
Ind., Ill., Ky.	1,109	662	13	77	17	371	91
Minn., Wis., Daks.	152	48	1	8	3	66	9
Okla., Kans., Mo.	481	227	7	11	9	197	15
DISTRICT 2 TOTAL	1,775	955	21	99	29	646	120
Inland Texas	268	154	26	18	8	119	22
Texas Gulf Coast	1,347	793	26	115	39	603	178
La. Gulf Coast	945	552	12	257	35	407	183
N. La. and Ark.	56	26	7	--	--	37	14
New Mexico	49	15	10	--	2	22	3
DISTRICT 3 TOTAL	2,665	1,540	81	390	84	1,188	400
DISTRICT 4 TOTAL	230	81	14	18	2	120	10
DISTRICT 5 TOTAL	1,061	595	36	221	7	363	377
TOTAL U.S.	6,358	3,534	166	738	125	2,573	1,047
TOTAL U.S. Weeks Ended:							
DEC. 17, 1982	6,370	3,504	189	720	114	2,551	992
DEC. 25, 1981	6,605	3,598	156	778	152	2,886	1,246
DISTRICTS 1—4 Weeks Ended:							
DEC. 24, 1982	5,297	2,939	130	517	118	2,210	670
DEC. 17, 1982	5,361	2,981	135	533	110	2,214	668
DEC. 25, 1981	5,724	3,051	126	620	149	2,525	895

[1] Refinery shipments only.
[2] Includes Grade No. 4 fuel oil.

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER 24, 1982*

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	5,817	3,051●	107	724	820	16,710	2,711	--
Central Atlantic	32,803	14,367●	259	4,226	2,584	48,147	24,968	12,976
Lower Atlantic	27,696	14,279	100	4,023	1,869	17,038	4,845	475
East Coast	61,712	29,276	414	8,766	4,941	78,588	32,084	12,448
Appal. No. 1	4,604	2,421	52	207	332	3,307	440	1,003
DISTRICT 1 TOTAL	66,316	31,697	466	8,973	5,273	81,895	32,524	13,451
Appal. No. 2	2,621	1,295	10	114	274	1,756	403	132
Ind., Ill., Ky.	36,308	14,742	485●	4,193●	2,093	24,804	4,399	12,390
Minn., Wis., Daks.	7,560	2,822	131	558	120	6,915	520	486
Okla., Kans., Mo.	20,669	7,623	549	2,037	546	14,641	799	5,559
DISTRICT 2 TOTAL	67,158	26,482	1,175●	6,902●	3,033	48,116	6,121	18,567
Inland Texas	7,592	2,842	472	1,762	75	3,521	381	2,575
Texas Gulf Coast	26,265	9,705	762	3,519	1,440	16,423	8,013	26,276
La. Gulf Coast	19,360	6,916	454	3,479	688	8,525	8,136	14,406
N. La. and Ark.	11,033	5,967	406	1,128	384	7,292	424	898
New Mexico	761	288	522	70	28	550	62	266
DISTRICT 3 TOTAL	65,011	25,718	2,616	9,958	2,615	36,311	17,016	44,421
DISTRICT 4 TOTAL	8,146	2,047	315	584	46	3,689	495	2,821
DISTRICT 5 TOTAL	28,455	10,154	1,402	5,675	170	11,356	8,810	25,100
TOTAL U.S.	235,086	96,098 *	5,974	32,092	11,137	181,367	64,966	104,360
TOTAL U.S. Weeks Ended:								
DEC. 17, 1982	233,162	94,941	6,058●	34,282●	11,289	181,319	64,475	106,424
DEC. 25, 1981	252,791	95,401	6,977	34,382	11,120	190,062	81,397	112,071
DISTRICTS 1—4 Weeks Ended:								
DEC. 24, 1982	206,631	85,944	4,572	26,417	10,967	170,011	56,156	79,260
DEC. 17, 1982	205,417	85,092	4,593●	28,271●	11,013	170,233	55,761	81,173
DEC. 25, 1981	221,310	83,819	5,396	27,779	10,893	177,477	71,184	85,986

[1] Included in Total Motor Gasoline stocks.
[2] Includes Grade No. 4 fuel oil

● *SEE REVISIONS ON PAGE 7*

**INCLUDES 23,177 BBLS OF FINISHED UNLEADED MOTOR GASOLINE AT REFINERIES AS FOLLOWS:*
DIST. 1: 2,894 *DIST. 2:* 4,999 *DIST. 3:* 10,001 *DIST. 4:* 781 *DIST. 5:* 4,502

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER 24, 1982*

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *AUG 1982*	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	----------Daily Average----------				
DISTRICTS 1—4 TOTAL					
DEC. 24, 1982	5,851.5	5,813.0	2,363	168	271,486
DEC. 17, 1982	5,851.5	--	2,968	181	273,750
DEC. 10, 1982	5,851.5	--	3,046	146	271,064
DEC. 3, 1982	5,852.5	--	3,550	158	269,293
DISTRICT 5 TOTAL					
DEC. 24, 1982	2,767.5	2,807.0	193	36	80,405 *
DEC. 17, 1982	2,767.5	--	234	15	84,051
DEC. 10, 1982	2,767.5	--	214	29	82,548
DEC. 3, 1982	2,785.1	--	240	14	82,147
TOTAL U.S.					
DEC. 24, 1982	8,619.0	8,620.0	2,556	204	351,891 *
DEC. 17, 1982	8,619.0	--	3,202	196	357,801
DEC. 10, 1982	8,619.0	--	3,260	175	353,612
DEC. 3, 1982	8,637.6	--	3,790	172	351,440
DEC. 25, 1981	8,309.0/A	--	3,103	179	366,184

**INCLUDES* 24,265 *BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.*

/A DOE ACTUAL FOR DECEMBER 1981.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	Week Ended *DECEMBER 24, 1982* Domestic	Foreign	Total	Week Ended *DECEMBER 25, 1981* Domestic	Foreign	Total
PAD District 1	4,708	14,075	18,783	5,516	15,578	21,094
PAD District 2	62,189	14,046	76,235	68,935	15,096	84,031
PAD District 3	121,717	41,743	163,460	125,079	40,992	166,071
PAD District 4	11,620	1,388	13,008	14,091	761	14,852
TOTAL PAD DISTRICTS 1—4	200,234	71,252	271,486	213,621	72,427	286,048
PAD District 5	75,704	4,701	80,405 *	72,170	7,966	80,136
TOTAL U.S.	275,938	75,953	351,891 *	285,791	80,393	366,184

[1] See definitional notes, Page 6.

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER 24, 1982*

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil	Grade No. 4 Fuel Oil	Residual Fuel Oil	L.P.G.	Petro-chemical Feedstocks	Special Naphtha	Plant Condensate	Asphalt	Unfinished Oil[1]	Total
New England	--	--	--	--	--	--	--	--	6	--	--	--	--	--	6
Central Atlantic	149	50	7	9	5	66	--	338	5	22	3	--	2	4	610
Lower Atlantic	--	--	--	--	--	--	--	65	--	--	--	--	--	--	65
DISTRICT 1 TOTAL[2]															
DEC. 24, 1982	149	50	7	9	5	66	--	403	11	22	3	--	2	4	681
DEC. 17, 1982	169	49	7	11	12	105	--	447	5	15	5	--	2	15	793
DEC. 10, 1982	140	49	7	8	12	252	--	620	11	19	8	--	2	24	1,103
DEC. 3, 1982	135	81	6	9	9	87	--	664	7	17	11	--	2	19	966
DISTRICTS 2—4 TOTAL															
DEC. 24, 1982	10	--	--	--	--	1	--	69	205	50	10	--	--	54	399
DEC. 17, 1982	12	2	--	--	--	--	--	58	200	50	13	9	--	18	360
DEC. 10, 1982	11	1	--	--	--	--	--	79	194	53	26	10	--	2	375
DEC. 3, 1982	10	1	--	--	--	2	--	81	213	48	14	12	--	20	400
DISTRICT 5 TOTAL															
DEC. 24, 1982	51	13	1	1	--	7	--	19	15	1	4	--	--	--	99
DEC. 17, 1982	38	12	1	1	--	6	--	15	13	4	5	1	--	7	91
DEC. 10, 1982	39	13	1	2	--	8	--	17	16	5	5	1	--	7	101
DEC. 3, 1982	41	12	3	2	--	6	--	12	16	5	6	1	--	4	96
TOTAL U.S.	210	63	8	10	5	74	--	491	231	73	17	--	2	58	1,179
TOTAL U.S. Weeks Ended:															
DEC. 17, 1982	219	63	8	12	12	111	--	520	218	69	23	10	2	40	1,244
DEC. 10, 1982	190	63	8	10	12	260	--	716	221	77	39	11	2	33	1,579
DEC. 3, 1982	186	94	9	11	9	95	--	757	236	70	31	13	2	43	1,462
DEC. 25, 1981	148	74	10	--	15	98	--	1,066	267	--	14	5	1	47	1,671

[1] Included in Total Motor Gasoline imports.
[2] See definitional notes, Page 6.

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded motor gasoline represent only finished, unleaded motor gasoline located at refineries, pipelines and bulk terminals. These stocks are also included in "total motor gasoline stocks." However, a large part of the motor gasoline stocks at refineries consist of components which may be blended to produce either leaded or unleaded motor gasoline. For that reason, these stocks cannot be classified as either finished unleaded or leaded motor gasoline. Therefore, it is incorrect to assume that the difference between total motor gasoline stocks and finished, unleaded motor gasoline stocks is equal to leaded motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and Dist. of Col.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

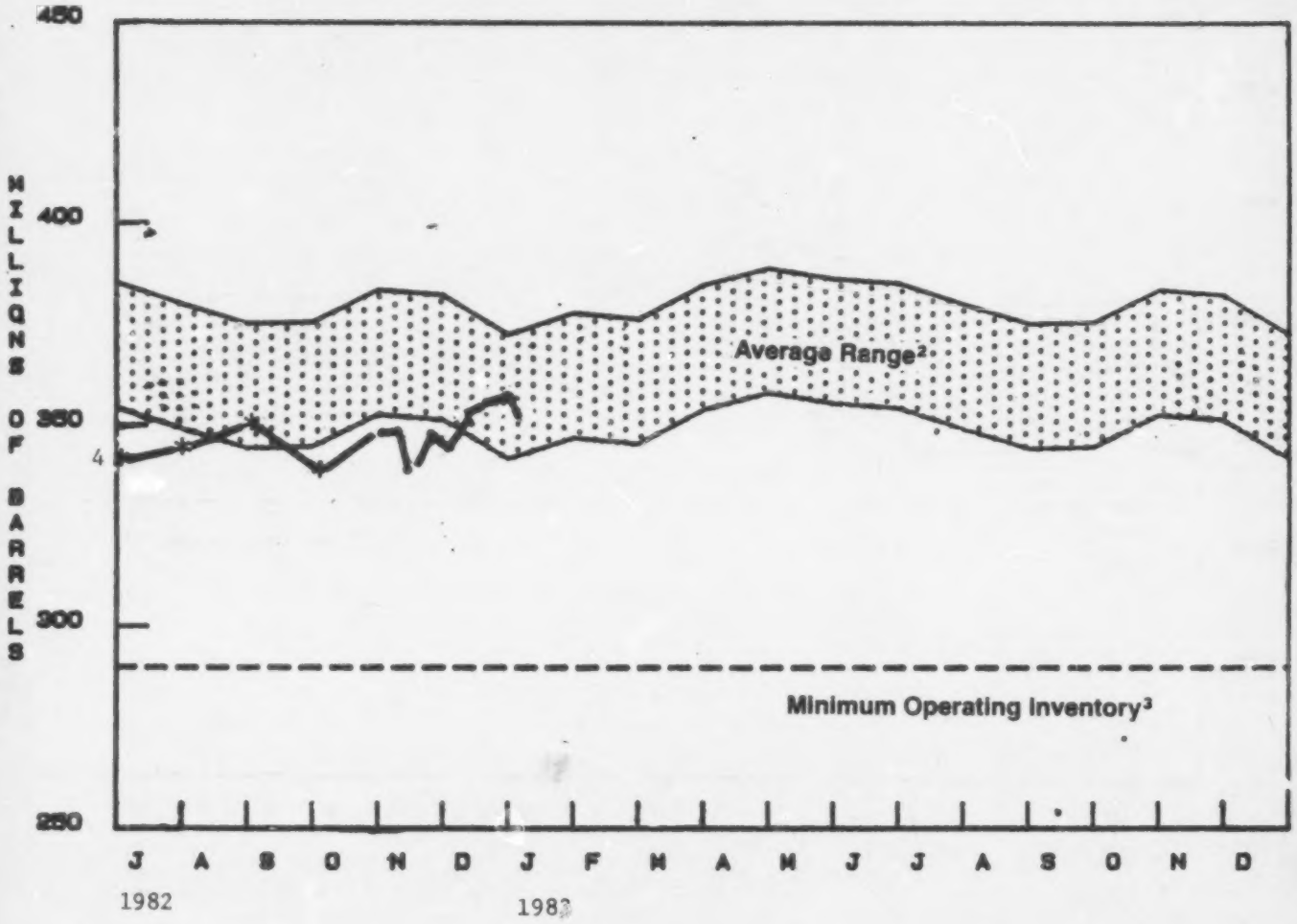
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE montly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

12/17/82	PAGE 3	UNLEADED MGAS	NEW ENGLAND	3,234
			CENTRAL ATLANTIC	13,758
		NAPHTHA JET	IND., ILL., KY.	548
			DISTRICT 2 TOTAL	1,279
			TOTAL U.S.	6,058
			DISTRICTS 1-4	4,593
		KEROSINE JET	IND., ILL., KY.	4,077
			DISTRICT 2 TOTAL	6,968
			TOTAL U.S.	34,282
			DISTRICTS 1-4	28,271

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

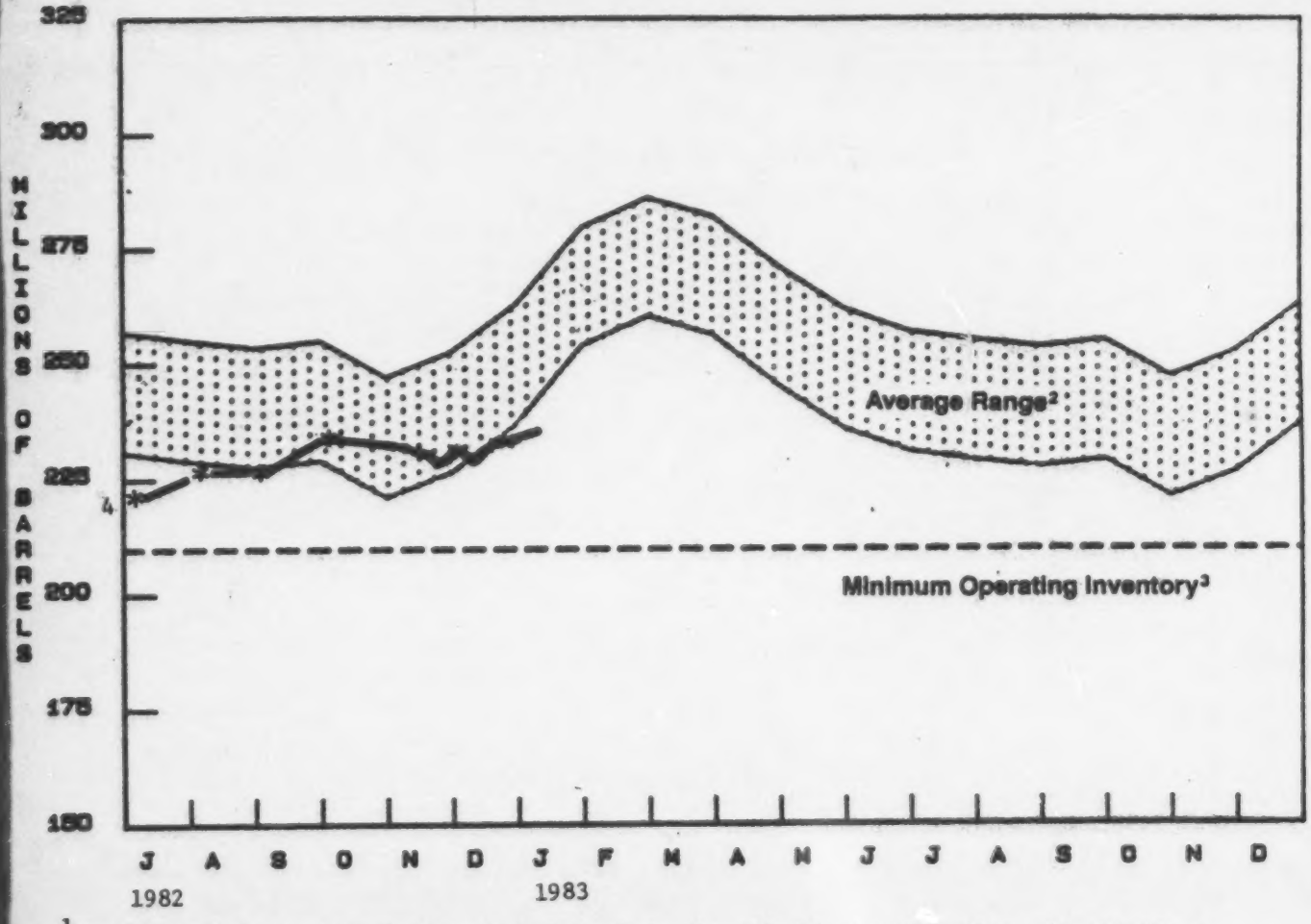
[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

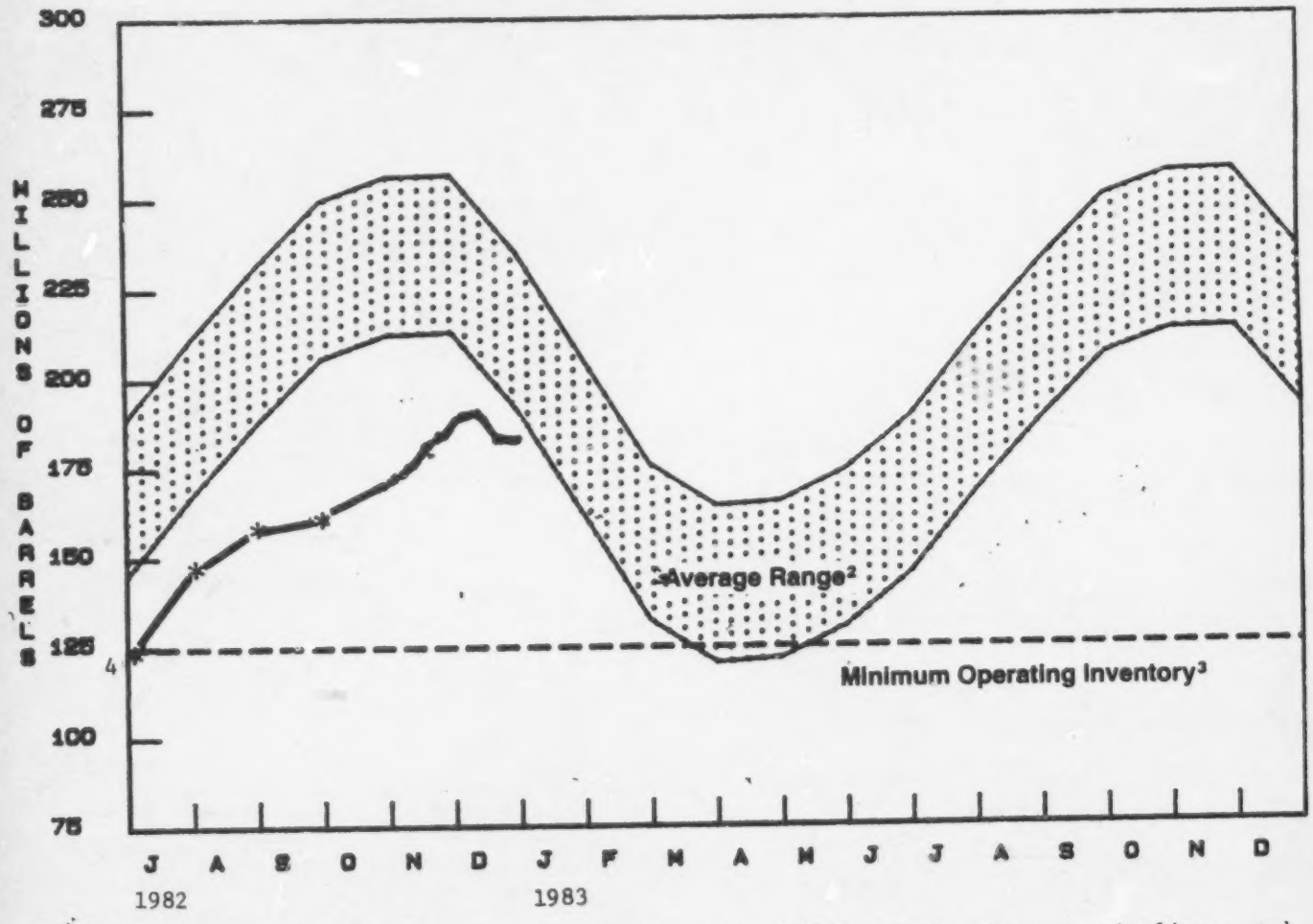
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.